Dr. M.K.K. ARYA MODEL SCHOOL, PANIPAT

CLASS – VIII

MATHS ASSIGNMENT

Ch – 8 (Comparing Quantities)

1. Increase 320 by 20%.
2. Write 240% as fraction and decimal.
3. Write the ratio 21 : 25 as percentage.
4. If 14% of a certain number is 63, find the number.
5. The price of a garment has been reduced by 15% in a sale to ₹306. Find its original price. (₹360)
6. In a class, 80 students passed and the rest failed. If 80% of the students failed, find the number of students in the class. (400)
7. A television set was purchased for ₹3200 and ₹560 were spent on its repairs. Then it was sold at a gain of $12\frac{1}{2}$%. How much did the seller receive? (₹4230)
8. What is the cost price of an article which is sold at a loss of 25% for ₹150? (₹200)
9. A dealer prices an article at 20% more than the cost price and allows a discount of 10% on it. Find the gain percent. (8%)
10. Bhawna bought two fans for ₹3605. She sold one at a profit of 15% and the other at a loss of 9%. If Bhawna obtained the same amount for each fan, find the cost price of each fan. (₹1592.50, ₹2012.50)
11. Find the discount and the amount actually paid if a shirt having a price tag of ₹600 is sold at 15% discount.
12. Find the compound interest on ₹10752 at $12\frac{1}{2}$% p.a. for 3 years, interest being payable yearly. (₹4557)
13. Sunil loaned ₹8192 to Ravi to enable him to purchase a T.V. set. If Sunil charged interest at the rate of 12.5% per annum, compounded half-yearly, calculate the amount that Ravi will have to pay to Sunil after $1\frac{1}{2}$ years.
14. Find what sum will amount to ₹55,125 in two years at 5% per annum compound interest.
15. Find the number which when increased by 10% becomes 77.
16. Which will earn more interest and by how much?
    (i) ₹6,000 lent at 12% p.a. compounded half yearly for $1\frac{1}{2}$ years.
    (ii) ₹6,000 lent at 12% p.a. compounded annually at $1\frac{1}{2}$ years.
17. Geetika bought a food processor for ₹4,400. The price included a 10% VAT. Find the original price of food processor.
18. A motorcycle originally costs ₹40,000. Its cost has decreased by 22%. What is its cost now?